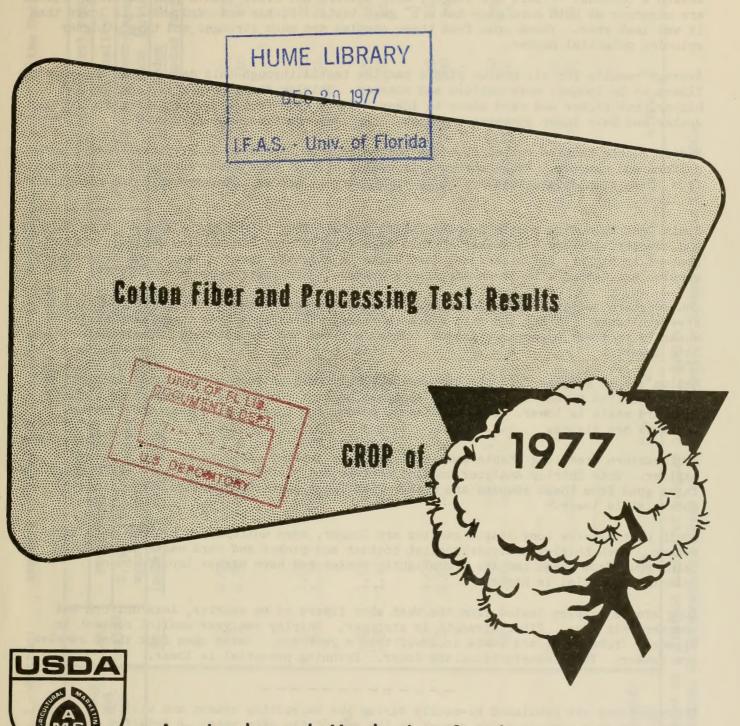
A88.11/17: Report 7

REPORT NO. 7



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 December 16, 1977

Discussion of Test Results

Fiber and spinning properties of this season's short staple cottons are superior to last season's cottons. Fibers are longer, more uniform and finer than a year earlier. Fibers are stronger at both zero gage and 1/8" gage tests. Picker and card waste is lower than it was last year. Yarns spun from these samples are much stronger and have a higher spinning potential number.

Average results for all medium staple samples tested through this date a year ago show fibers to be longer, more uniform and coarser. Shirley Analyzer nonlint content is higher, but picker and card waste is lower. Yarns spun from these samples are slightly weaker and have lower appearance grades. Yarn imperfections are higher.

Medium staple samples tested from the Southeast show fibers to be slightly longer, more uniform and coarser. Fiber strength is weaker at 1/8" gage fiber strength. Yarns spun from these samples are weaker with lower appearance grades. Average spinning potential is lower.

South Central medium staple samples tested to date show fibers to be longer, more uniform and coarser. Fibers are weaker at zero gage fiber strength. Shirley Analyzer nonlint content is higher, but picker and card waste is slightly lower. Yarns spun from these samples are weaker with lower appearance grades. Yarn imperfections are higher.

Southwestern medium staple samples are longer, more uniform and stronger at zero gage strength tests. Picker and card waste is lower. Yarns spun from these samples are weaker with lower appearance grades. Imperfections and the spinning potential are both lower.

Medium staple samples from the West are slightly more uniform, coarser and stronger at zero gage than a year ago. Shirley Analyzer nonlint content is higher, while picker and card waste is lower. Yarn appearance grades are lower than a year ago. Imper-fections are higher.

Southeastern area long staple samples tested are shorter and coarser than a year earlier. Both Shirley Analyzer nonlint content and picker and card waste are higher. Yarns spun from these samples are weaker with lower appearance grades. Spinning potential is lower.

South Central area long staple samples are longer, more uniform and coarser than last season. Both Shirley Analyzer nonlint content and picker and card waste are higher. Yarns spun from these samples are slightly weaker and have higher imperfections. Spinning potential is higher.

Long staple samples tested from the West show fibers to be shorter, less uniform and coarser this year. Fiber strength is stronger. Shirley Analyzer nonlint content is higher. Picker and card waste is lower than a year ago. Yarns spun from these samples are weaker. Yarn imperfections are lower. Spinning potential is lower.

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. 1 These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1976, USDA, AMS Cotton Division, June 1977.

				No.			- 3 -					
		Snin	Potent	Yarn	35	50	55	57	69	58		
	test results	ity	Appear-Imperf- ance actions	No.	. 13	000	. 16	22 19	19	18		a
		Yarn quality	Appear	Index Carded	111	100	22.3	8 %	8%	8.88		5 (1
1	Processing	Ya	Skein str.	Lbs.	85	98	108	104	121	109 106		4 (22s)
		8078	P & C	Pet.	7.5	6.3	6.0	6.4	5.00	5.8		0.5
9, 1977		(1881) A	S A nonlint	Ret.		a a m m	3.5.	m a m m	9.00	3.8		0.5
through December 5		st	1/8,,	G/tex	21 22	ଅ ଅ	ສສ	સ સ	920	24 23		1
through	results	Fiber	Zero	Mpsi	88	8 8	88 88	88	95	88		2
	er test	Mike fine-	ness	Rdg.	4.4	4.4	44.60	4.1	4.3	44.		0.2
	Fiber	Fibrograph	50/2.5 unif.	Pet.	54	452	5th	1,45 1,46	7 7 7 7 7	45		2
and the same		Fibro	2.5% span	Inches	0.95	1.07	1.08	1.07	1.12	1.08		0.05
		Lots	tested	No.	23	33	102	30	40	205		
	The same of the sa	Staple group	Crop year		Short Staple: Southwest 1976 1977	Medium Staple: Southeast 1976 1977	South Central 1976 1977	Southwest 1976 1977	West 1976 1977	U.S. Average 1976 1977	400	Significant dif- ference 2/

Averages of fiber and processing tests from selected gin points in the United States

Table 1. -- Cotton:

Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table.

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Averages of fiber and processing tests from selected gin points in the United States through December 9, 1977

Table 1. -- Cotton:

						- 4 -					
-	-	SPY	No.	58	63	103				m	
		ctns	No.	∞ *	* 10	× 13				N	
		Imprfctns	No.	18	13	30.				a	
10001	ESUT OS	ce	Lbs. Lbs. Indx Indx N 22s Carded & Combed Yarn	150	103	100				2	
Thort .	rrocessing lest hesuits		Indx ed & Co	106	97	88				2	
0000	CESSILL	gth combed	Lbs.	139	137	162			4 (22s)	2(50s)	
Dang	LILO	Strength carded combed	Lbs.	118	109	130		1/2	4 (22s)	4(22s)	
		Comber Waste	Pct.	15.7	% %	8.11.8				0.5	
		P&C Waste	Pct.	6.3	6.8	4.0.9				0.5	-7 2 4
	100	SA Non- lint	Pct.	9.0	3.4	9.00				0.5	3-7
	20	Strength Zero 1/8" gage gage	Mpsi G/tx	23 52	54	27			THE REAL PROPERTY.	-	9-
00000	Kesut		Mpsi	88	92	88				a	1
+000	rest	Unif Mike Zero 1/8	Pct. Rdg.	4.4	3.7	3.8				0.5	0
To the	er	nif	Pet.	45	452	48				2	-
G	-	Span U	In.	1.15	1.12	1.20				0.05	-
	1	Lots	No.	7 .	നന	H9	1,97	12	100	N SI	7:-:+
	Staple group.	Area, and Crop year	-	Long Staple: Southeast 1976 1977	South Central 1976 1977	West 1976 1977			Significant	Difference 2/	1 Donad on

Minimum differences considered to be significant for comparisons in this table. Based on a limited number of samples of modal quality

Combed data not available.

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	Spin. Poten-	NO.	引	45	26	09	59	99	45	52	58	45	51	51	55	56
	Imprfectins	27 tx	21	20	16	15	16	20	16	12	10	11	10	11	13	16
Yarns	Imprf	7	<u> </u>	31	56	20	23	25	22	21	16	25	12	19	23	27
Carded Yarns	ex 22sor			100	110	110	100	110	120	110	100	100	110	110	110	100
1	Appearance Index	74 tx	SI	120	130	130	120	120	120	130	130	120	130	130	130	120
Test Results	ation	27 tx		6.2	6.3	6.3	6.5	5.7	5.8	5.8	0.9	5.7	6.2	6.3	6.5	5.9
Processing T		2	Tel le	ENT 7.6	T.8	FNT 7.8	ENT 8.3	ENT 7.2	ENT 7.3	FNT 7.1	ENT 7.5	ENT 7.1	FNT 7.5	7.8	ENT 8.4	ENT 7.4
Proce	gth	27 tx	SOT	PERCENT 92 7.6	80 PERCENT	PERCENT	PERCENT 105 8.	80 PERCENT	PERCENT 90 7.	PERCENT	80 PERCENT	PERCENT 96 7.	PERCENT	PERCENT 99 7.	PERCENT 103 8.	100 PERCENT 2 107 7.
	Strength	74 tx	TOS	100 6	312	314 1	307 1	317	273	289	262	278	284	295	300 1	302
	P & C		12	5.5	5.5 1/	4.0	5.6	4.7	5.4	4.8	5.0 1	5.5	4.6	5.0	6.2	5.6
	02		ON	4	4	4			6	4	6	4	4	m	6	4
	Raw	Gra	2	2	-	-	-	-	2	-	0	-	-	-	-	-
	S.A. Non-	-	ret	3.5	3.1	2.9	4.0	3.0	2.6	3.0	2.3	3.2	2.9	2.6	3.9	3.2
trs	Elon- gat'n	1/0	ral Tal	6111	6.3	SP21 6.6	6.9	M78 6.4	ER 18	9.9	YMASTER 303	5.5	57 6.7	YMASTER 303	ER 303	LX571 6.2
Fiber Test Results	Fiber Strength	Cage	G/tex	LANKART 23	GSA71 22	TAMCOT 23	GSA71 22	MORCOT 21	PAYMASTER 21 6.	GSA71 20	PAYMAST 22	LANKART 20	LANKAR T 20	PAYMASTI 22	PAYMASTER 22 7.	LANKART 23
Fiber	Stre	Gage	Mosi	06	87	9.4	87	68	81	18	85	89	86	83	83	88
	Mike		Rog	3.8	4.0	4.6	0.4	4.0	4.6	4.3	3.9	4.4	4.5	4.2	3.5	3.8
	tal	Unif	let 	1.4	94	4.7	94	94	8	4.1	45	46	4.7	94	45	44
	Digital Fibrograph		5	0.93	1.01	1.05	1.03	1.04	96.0	96.0	1.02	0.97	1.01	1.01	1.04	1.03
	1.0	Stple	328 AREA		33	32	33	33	31	31	32	32	31	32	33	32
rea,	er	T	AR	32	41	32	41	32	32	32	31	32	32	41	41	32
Production Area,	Sample Number	Name & Code		TEXA		SP	TER	SP	SP	Sp		SP	SP	RG		SP
ducti	mple Gra	ame &	TS		YF IE		CENTER				DZN			389	S	
Pro	Sar		SOUTHWEST	NORTHWEST ANSON 3 MID LT	BROWNFIELD SLM	GOREE 3 MID LT	HALE 2 SLM	LOCKNEY MID. LT	LOCKNEY MID LT	LOOP 2 MID LT	LORENZO 3 MID	NEWCASTLE	PADUCAH 2 MID LT	PETERSBURG SLM	RALLS	RULE 3 MID LT
		No	SOL	NOR	2 8	3	7 7	3 -	2	2	_ E	2	2	9	2	

Table 2 -- Cotton, American upland short staple: Quality characteristics by production areas, crop of 1977 -- (Continued)

	Spin.	tial	No		48	48	14	56	
	Imprfect'ns	8s or 22sor 74 tx 27 tx	<u>S</u>		12	п	19	13	
arns	Imprf	8s or 74 tx	NO		20	20	12	21	
arded 1	ance	22sor 27 tx	No.		110	110	110	110	
ults - C	Appearance Index	8s or 74 tx	No		120	120	130	130	
Processing Test Results - Carded Yarns	ation	8s or 22sor 8s or 22s or 8s or 22sor 8s or 22sor 7t tx 27 tx 7t tx 27 tx 7t tx 27 tx 7t tx 27 tx	Pet Pet		5.9	6.3	0.9	6.3	
ssing T	Elongation	8s or 74 tx	Pet		FNT 7.9	ENT 7.4	ZenT 7.6	Z.8	
Proce	ugth	22s or 27 tx	[Pps		85 PERCENT 5 101 7.	80 PERCENT	100 PERCENT 273 91 7.6	100 PERCENT 308 103 7.	
	Strength	8s or 74 tx	Tibs		295	297	273	308	
-	Color Raw Stock P & C	Waste	Pet		3 6.1 1/ 295 101 7.9	6.5	5.5	5.0	
	Color w Stock	Yel	<u>8</u>		8	4	4	. ю	
		Gra	Pet No		1	2	6	2	
E	S.A.		Pet		2.6	4.4	3.2	3.4	
lts	Elon-	1/8"	Pct		SP44 6.7	R 31	57	6.2	
Fiber Test Results	Fiber Strength	1/8" Gage	G/tex		WESTERN SP44	STRIPPER 31	LANKART 57	LOCKETT 77 22 6.	
Fiber	Stre	Zero	Mpsi		8.7	86	90	103	
	Mike		Rdg		4.3	3.9	· · ·	4.2	
13	ital graph	Unif	Pct		45	84	14	9 4	
	Digital Fibrograph		a) (h	(pa	31 31 0.96	96.0	0.98	1.04	
		Stple	32s tinued	ntinu	31	32	30	33	
Area,	ber		-(Con	00)	31	45	32	42	
roduction Area	& Sample Number	Grade Name & Code	AREA-	Texas		SP	SP	SP	
Production Area,	Sampl	No Name	32s SOUTHWEST AREA(Continued	Northwest Texas (Continued)	SNYDER 2 MID	TULIA 2 SLM LT SP 42 32 0.96	VERNON 2 32 30 0.98	VERNON 2 SLM LT SP 42 33 1.04	

1/ Cotton stuck to processing rolls

- 1		1						- 7	7 -								
	Spin.	Foten- tial	위		52	59	99	47	57	64	9		51	99	55	45	58
	Imprfect'ns	50s or	No No		12	21 21	19	20	60	15	11		54	23	12	1.1	13
trns	Imprfe	22s or 27 tx	श		17	31 29	22	26	13	23	21		30	59	14	1.7	21
rded Ya	nce	50s or 12 tx	No.		09	07	70	70	80	70	10		10	7.0	80	70	7.0
Processing Test Results - Carded Yarns	Appearance Index	s or	위		80	06	06	80	100	100	06		10	80	06	06	100
esult		_			4.5	90	m	٠		Ś			ė	2	, 4	6	
est F	Elongation	50s or	Pet		4	4.0	4.3	3.6	4.1	3.5	4.4		3.8	5.2	4.4	3.9	4.5
ing T	Elong	22s or 27 tx	Pet		5.9	5.9 5.6	5.5	NT 5.0	NT 5.8	5.2	5.6		5.3	NT 6.7	N. 9	5.3	NT 5.8
ocess	h	50s or	Lbs		PERCENT	PERCENT 32 5.	PERCENT 35 5.5	PERCENT 28 5.	PERCENT 33 5.	PERCENT 28 5.	PERCENT 36 5.		PERCENT 25 5.	PERCENT 37 6.7	PERCENT 32 6.	PERCENT 29 5.	PERCENT 34 5.
쇼	Strength	or 50			06	88	00	00	0	100 6	100 6		5	00 P	0	15	8
3	St	22s or 27 tx	Lbs		92	101	109	10	100	90	109		85	108	100	85	100
	P&C	Waste	Pet		4.5	5.5	6.1	7.4	5.6	7.7	5.3		5.7	4.9	6.4	6.2	6.4
-	or	Yel	읾		m	mm	m	4	4	6	~		en	2	2	3	2
	Color Raw Stock	Gra	일		2	6 8	6	m	2	6	2		9	8			2
	S.A.	Non- Lint	Pet		1.9	3.6	3.1	3.5	2.2	4.1	2.5		3.1	3.2	3.4	3.5	2.5
	-uo	gat'n 1/8"	Pet		19	16 5	9	60	16	4	6		7	E 61	16	16	LE 213 6.7
1ts	Elon-	gat 1	A.		INE 6	INE 1	417	201	INE 7.	612	201		ILLE 6.7	INE 7.	INE		TLLE
Resu	-	1/8" Gage	G/tex		DELTAPINE 61 22 7.3	DEL TAP INE 16 22 7.5 21 7.6	COKER 25	COKER 22	DELTAPINE 16 21 7.7	MCNAIR 21	COKER 23		STONEVILLE 22 6.7	DELTAPINE 61 23 7.7	DEL TAPINE 10	DELTAPINE 21	STONE VILLE
Test	Fiber																
Fiber Test Results	Str	Zero	Mpsi		83	80	16	86	78	80	48		81	79	81	82	78
		Mike	Rdg		4.5	6.4	4.6	4.7	5.2	4.8	4.5		4.3	4.4	5.1	4.6	4.7
	al	Unif.	Pet		44	47	94	45	46	44	4.7		44	94	45	44	45
-	Digital Fibrograph	2.5% span	디		1.10	1.12	1.13	1.07	1.10	1.09	1.13		1.10	1.14	11.11	1.08	1.10
		Stple	32s	EA	33	34	35	34	34	34	36	EA	34	35	35	34	34
ea,	H	Ċ		AREA	32	77	45	45	32	~	41	AREA	45	41	4.1	45	41
Production Area, Classification	Sample Number	Code	1					a	SP	SP		RAL				۵	
ducti ssif	g g l	Grade Name & Code	3	IST	LTON	SOMER LT S	TVILL	SLM LT S	LAN	AL C	AROL	CENT		DE	VEPO	SIPP	RDS
Pro	Sam	Ш	10	SOUTHEAST	ALABAMA HAMILTON 3 MID LT SP	MONTGOMERY SLM LT SP SLM LT SP	PRATTVILLE SLM LT SP	GEORGIA ALLENTOWN 3 SLM LT S	SHELLMAN MID LT	SOCIAL CIRCLE SLM LT SP 4	SOUTHCAROLINA MAYESVILLE 3 SLM	SOUTH CENTRAL	LOUISIANA ALEXANDRIA 3 SLM LT SP	MONROE 3 SLM	SHREVEPORT 3 SLM	MISSISSIPPI BRANDCN 3 SLM LT S	EDWARDS 3 SLM
		2	1	SOL	ALA 3	2 -1 0	2 9	GEO 3	2	1 8	501	SOL	LOI 3	_ 6	3	M.	3

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	Spin.	tial	2		25	19	52		52	55	51	19	58	77	54	
	Imprfect'ns	50s or 12 tx	No No		27	24	23		14	12	6	23	14	19	19	
arns	Imprfe	or	N		23	33	53		11	17	12	5.6	11	23	22	
rded Y	nnce	50s or 12 tx	일		70	70	9		70	70	80	9	7.0	70	7.0	
Results - Carded Yarns	Appearance Index	x or	<u>위</u>		80	10	80		06	100	110	80	100	06	06	
	ion	or	Pet		4.3	4.5	8.4		3.9	4.4	3.6	5.1	4.5	3.9	4.1	
Processing Test	Elongation	22s or 5 27 tx 1	Pet		5.3	5.8	* INT *		* * * * * * * * * * * * * * * * * * *	5.8	5.2	7.0	NT 6.0	5.1	5.5	
rocess	gth	50s or 2	Lbs		PERCENT 231/5.3	PERCENT	PERCENT *		PERCENT *	PERCENT 35 5.	PERCENT 29 5.	PERCENT	PERCENT 36 6.	PERCENT 30 5.	PERCENT 32 5.	
1	Strength	22s or 5 27 tx	Lbs		83	114	100		100	100	100	110	100	96	001	
	P & C	Waste 2	Pet		9.9	5.5	0.9		5.4	5.42/	9.9	5.6	5.6	6.1	5.7	
		Yel	외		3		3		3	9	3	3	2	3	m	
	Color Raw Stock	Gra	No No		2	~-	0			2	2	m	2	3	1	
		Non- Lint	Pet		3.5	3.6	3.0		3.5	2.5	3.3	3.5	2.3	3.2	3.0	
	Elon-	gat'n 1/8"	Pet		SP37 6.8	2.7	5110		LE 213 6.2	E 61 6.8	LE 213 5.7	E 61	E 16 6.7	IE 61 6.5	E 61 6.4	
Fiber Test Results		8" ge	G/tex		AMCOT S	COKER 312 24 6	COKER 51		STONEVILLE 19 6.	DEITAPINE 61 24 6.8	STONEVILLE 23 5.	DELTAPINE 24 8	DELTAPINE 16 24 6.7	DELTAPINE	DELTAPINE 61	
Test	Fiber	-			-											
Fiber	Str	Zero	Mpsi		88	87	81		81	88	16	78	87	89	88	
		Mike	Rdg		3.4	4.7	3.6		4.6	5.1	5.3	4.0	4.6	5.2	5.0	
	al	Unif.	Pet		44	46	43		44	46	47	44	43	4 4	94	
5	Digital Fibrograph	2.5% span	티		96.0	1.17	1.14		1.11	1.09	1.09	1.13	1.13	1.07	1.10	
		Stple	328	AREA	31	36	36	AREA	31 34	35	34	35	35	34	35	
rea,	er er	T		A	32	40	40 36	A	31	41	41	42	41	41	41	
on A	Number	Code			TEXA	S	S					SP		-	REEK	
Production Area,	Sample Number	Grade Name & Code		EST	STHWEST ELDORADD MID LT	SOCK PLU	JOCK PLL		Z E	BUCKEYE	BUCKEYE	SLM LT	MARICOPA SLM	MAR ICOPA SLM	OUEEN CREEK SLM	
Pro	82	No	-	SOUTHWEST	NORTHWEST TEXAS ELDORADO 3 MID LT SP 3	LUBBOCK 3 SLM PLUS	LUBBOCK 3 SLM PLUS	WEST	ARIZONA BOWIE 2 MID	BUCKI 2 SLM	BUCK 1 SLM	MARANA 1 SLM L	MARIC 2 SLM	MAR I	OUEEN 1 SLM	

* 100% selected for tests, less than 100% in the area. $\frac{1}{2}$ End breakage to high to spin 50s yarn. 36s yarn spun and strength adjusted to equivalent of 50s. $\frac{2}{2}$ Cotton stuck to processing rolls.

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	Spin. Poten- tial	위	11	78	72	87	49	7.0	7.8	2	41	83	16	19	70
	Imprfect'ns 2s or 50s or 27 tx 12 tx	2	18	11	15	11	12	11	E 2		13	18	11	6	22
arns	Imprfe 22s or 27 tx	2	23	22	1.7	20	19	10	2		39	19	61	13	23
- Carded Yarns	× or	<u></u>	10	09	10	70	70	80	102		2 2	60	70	80	09
ts - Ca	nde	임	80	80	80	90	80	100	06	9	06	06	06	100	80
Processing Test Results	x or	let Let	5.0	4.7	8.4	5.0	1:-	4.4	7.	=	3.6	4 80	8.4	4.7	4.7
ing Tes	or	L L	NT 6.0	NT 5.7	0.9	NT 6.4	NT 5.7	NT 5.6	NT 8.9	L N	5.9 7.4	NT 6.3	N. 9	N. 0. 9	NT 6.2
rocess		Lbs	PERCE	PERCE	ERCE	PERCENT 52 6.	PERCENT	PERCENT	PERCENT	PERCENT	45 5. PERCENT 27 4.	PERCENT	PERCENT 50 6.0	PERCENT	PERCENT
E	e L	डिया	98	122	100 1	143	94	125	93	0	90 84	96	139	94 1	100 1
			7	17 15											
	A 3	Pet	4.51	5.01	4.2 1/	5.1	5.5	4.61	4. C.		6.9	5.3	4.8	5.4	5.5 1
	7 50	위	4	w .	2	2	m	- m	nd w	-	2 2	2	3		
M		외	_ , ~	-	0	0	0	0	0		7 2	0	0	. 0	-
	S.A. Non- Lint	Pet	2.3	3.2	2.0	2.9	2.0	1.6	1.8		3.0	3.9	2.0	2.3	2.9
70	Elon- gat'n 1/8"	Pet	5.9-2	53-2	5.9-2	53-4	5.8	5.8	53-2	53-2	6.5 5.9	5.3-2	5.9-4	5.3-2	53-2
esult		tex									23 5.				
Test R	pe ng	G/tex	ACALA 27	ACALA 25	ACALA 28	ACALA 29	ACALA 28	ACALA 27	ACALA 26	ACALA	DEL 23	ACALA 30	ACALA 30	ACALA 28	ACALA 26
Fiber Test Results	Fi Stre Zero Gage	Mpsi	95	92	96	66	103	97	96	8	93	96	66	96	96
	Mike	Rde	4.1	4.1	4.1	4.2	4.8	4.5	4.3		5.1	4.2	4.3	4.7	3.6
	al raph Unif.	Pet	1.4	1.4	4.7	4.7	94	84	14	1	4 5	8 4	47	84	44
Î	Digital Fibrograph 2.5% Uni	티	1.13	1.13	1.14	1.12	1.12	1.12	1.15	2	1.04	1.18	1.12	1.13	AFTER 41 36 1.14 44
	Stple	358		36	35	36	35	35	36	76	34	36	36	36	36
tion,	e er	inued	0,4	41	H 31	40	31	31	31		15	41	40	40	41
Classification	Sample Number Grade Name & Code	32s WEST AREA(Continued)	A US	TELD	BUTTONWILLOW	ILLA US	AS.	3.4	нэг	POINTS	H.	SON	sus.	SAN JOAQUIN	~
Classification Classification	Sample Gr Name	AREA	CALIFORNIA ARVIN 3 SLM PLUS	BAKERSFIELD SLM	TTONM	CHOWCHILLA SLM PLUS	COALINGA	COALINGA	FIREBAUGH		HOLTVILL	LOS BANDS	MENDOTA SLM PLUS	AN JOAQU	SHAFTER
4	2	EST	ARI ARI 3 SI	BAK 3 SI	2 MID	CHI 2 SI	COAL 1	COAL 2 MID	FI M	IT.	E S I	2 5	2 SI	SAI 2 SI	3 SH

Table 3 -- Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977-- (Continued)

			. 1											
	=	Spin.	Poten- tial	임			78		11	85		8 2	5.3	
	-	et'ns	50s or	있			118		17	20		14	=	= 6
	rns	Imprfect'ns	22s or 50s or 27 tx 12 tx	No No			25		20	27		18	1.7	9 5
	rded Ya	ace		No			020		20	10		02	80	9 1
	s - Ca	Appearance Index	22s or 50s or 27 tx 12 tx				80		06	80		80	100	9 8
	Processing Test Results - Carded Yarns						5.0		4.7	4.5		6.4	3.4	
	Pest	Elongation	r 50s				N 4		4	4		4	6	THE ST
	ssing	Elon	22s or 50s or 22s or 50s or 27 tx 12 tx			CENT	6.3	CENT	6.2	ENT 6.3	ENT	0.9	ENT 5.1	100
	roce	th	50s or	Tps		PERCENT	46	PERCENT	14	PERCENT	PERCENT	64	PERCENT	
	Н	Strength	or 5			16	23	95	9	95	86	6	0	
		ĊΩ	-	Lbs			133		136	134		139	102	
		P & C	Waste	Pet		-	3.8 □	-	7-8-4	4.6		4.8	5.7	
	-	or tock	Yel	읽		179	2		6	2	PK .	2	9	
		Color Raw Stock	Gra	No No					-	0		-	-	
	70	S.A.	Non- Lint	Pct		B	2.1		2.5	1.6		1.8	2.2	
	0	Elon-	gat'n 1/8"	Pet		4	6.0	4	5.9	1-4	4	6.1	E 61	
	ults	回		×I		S	4, 40	Ś	TL.	S	Ś		P I NE	
-	st Res	er	1/8" Gage	G/tex		ACALA	27	ACALA	27	ACAL A	ACALA	27	DELTAPINE 61	
	Fiber Test Results	Fiber	Zero	Mpsi			102 98		103	96		16	93	
	E		Mike	Rdg			3.9		4.3	3.8		7.4	5.2	
		qo	f.	Pet		-	14		46	14		84	94	
		Digital Fibrograph		4									4	
		Dig		미			1.10		1.10	1.14		40 36 1.14	1.07	
		9	Stple	328	(pe	,	36		36	36	9 3	36	34	
	trea,	ber	e e	inue	tinne		41		41	41	= ;	40	31	
	ion ficat	Numb	Grade le & Cod	(Cont	uop)-	JRE	S					2	AND	
	Production Area, Classification	Sample Number	Grade Name & Code	EA	INIA-	STRATHMORE	SLM PLUS	RE		LIA	LIA	PL(MESTMORL AND MID	
	Pr	S		WEST AREA (Continued)	CALIFORNIA (Continued)	STRA		TULARE	3 SLM	VISALIA 3 SLM	VISALIA	Z SLM PLUS	WEST 2 MID	
			No	ME	CA		3 6	,	644			A	2	

1/ Cotton stuck to processing rolls.

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1977

1			,							- 11 -									
		Spin.	tial	No.		58		64	99	49	69			49		112	92	6.80	
		t'ns	50s or 12 tx	No		13		14	15	18	19			11		21	18	Ξ	
	rns	Imprfect'ns	22s or 27 tx	잃		20		20	20	22	23			21		28	2.8	16	
	arded Ya		50s or 12 tx	요		06		06	80	80	06			80		70	70	80	
	lts - C	Appearance Index	22s or 27 tx	용		100		100	06	001	100			100		06	06	9.0	
	est Resu	tion	50s or 12 tx	Pet		3.7		3.0	3.6	4.0	4.0			3.9		5.5	4.8	4.3	
	Processing Test Results - Carded Yarns	Elongation	22s or 27 tx	Pet		ENT 5.4	į	4.8	5.0	5.3	ENT 5.2			5.0		PERCENT 50 6.3	PERCENT*	PERCENT 44 5.4	
	Proce	th	50s or 12 tx	Lbs		PERCENT 31 5.		24 4.	53	PERCENT 36 5.	PERCENT 37 5.2			PERCENT 36 5.		PER 50	48 48		
		Strength	22s or 27 tx	Lbs		96	3	100	9.6	901	100			100		134	131	125	
-		P & C	H	Pet		6.7		7.2	7.4	1.9	9.9			8.1		7.4	5.2	6.61	
-		SC K		No No		4		4	4	2	2			2		6	m	m	
		Color Raw Sto	Gra	SI.		4		4	4	4	~			4		-	. 0	2	
		S.A.	Non- Lint	Pet		4.4		4.1	4.1	2.9				5,3		4.3	1.4	3.5	
	t s	-	gat'n 1/8"	Pet		2		310	0.9	310	310			310		ACALA 1517-75 27 6.6	1517-V	CALA 1517-70 27 6.3	
	st Results	er	1/8"	G/tex		COKER 310 24 6		COKER 3	23	COKER 3	COKER 3			COKER 2		ACALA 27	ACALA 27	ACALA 27	
	Fiber Test	Fiber	Zero	Gage		16		97	98	87	76			95		93.	95	95	the area
	, E4		Mike	Rdg		4.1		5.1	4.5	4 .8	4			4.6		4.1	4.0	4.1	00% in
		al	aph Unif.	Pet		94		44	44	46	1,7	:		94		8 4	46	47	than 1
		Digital	Pibrograph 2.5% Un	span In		1.12		1.08	1.14	1.15		•		1.19		1.21	1.19	1.17	3, less
	•		Stole	328	AREA	34		34	34	35	,	4 1 0	AREA	36	AREA	37	36	36	tests
	rea,	nor		7	A	43		45	43	51	4	;	⋖	NT 51	•	45	31	41	d for
	Production Area,	Classification	5/2	Name & Code	SOUTHEAST	ALABAMA JACKSONVILLE 3 SLM SP	GEORGIA	MADISON 2 SLM LT SP	SLM SP	NORTH CAROLINA DUNN 3 LM	SOUTH CAROLINA HARTSVILLE	2 Lm	SOUTH CENTRAL	LAKECORMORANT 3 LM	WEST	NEW MEXICO HATCH 2 SLM LT SP	LAS CRUCES 2 MID	WEST TEXAS CLINT	
	1		N N		SOI	AL 3	u.	2	3	ND 3	SO		S	Σ	3	Z		3	*

* 100% selected for tests, less than 100% in the area 1/ Cotton stuck to processing rolls.

